

Pin Function	COLOR
1	NC
2	YELLOW
3	RED
4	BLACK
5	NC
6	YELLOW/GREEN

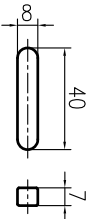


Pin Function	COLOR	Pin Function	COLOR
1	VCC+	10	NC
2	GND	11	NC
3	V8	12	NC
4	GND	13	SHIELD/NC
5	NC	14	NC
6	NC	15	NC
7	NC	16	SD
8	NC	17	SD
9	NC		PURPLE

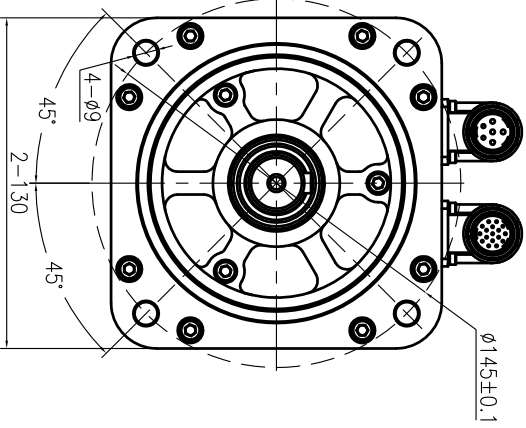
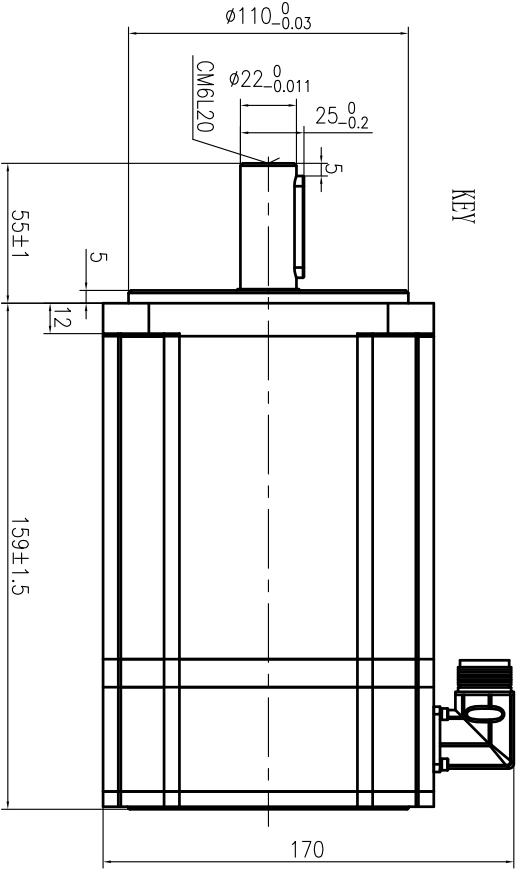


6 PIN MOTOR CONNECTOR

17 PIN ENCODER CONNECTOR



KEY



Technical Data

No. of poles	8
DC link Voltage UDC (DC link)	560
Rated Power P _N (W)	1500
Rated Torque T _N (N.m)	7.2
Rated Speed n _r (rpm)	2000
Rated Current I _x (A)	4.5
Maximum torque T _m (N.m)	18
Maximum Current I _m (A)	13.5
Standstill torque T _s (N.m)	7.92
Standstill current I _s (A)	4.95
Resistance line-line R _L (Ω)	3.44
Inductance line-line L _L (mH)	31.26
Electrical time constant T _e (ms)	9.09
Mechanical time constant T _m (ms)	2.33
Voltage constant K _e (V/krpm)	106
Torque constant K _t (Nm/A)	1.75
Rotor moment of inertia J _m (Kg.cm ²)	12
Max. voltage rising du/dt (kV/μs)	8
Insulation class	F
Max. radial force Fr (N)	900
Max. axial force Fa (N)	450
Weight (kg)	7.5

Feed back device	absolute encoder
	MR-HX50AHN10
Temperature sensor	n. a.
Cooling method	Totally enclosed non-ventilated
protection level	IP65, shaft sealing IP54

Environmental conditions	Temperature	-20°C~40°C
	Humidity	Below 90%RH (No dewing)
	Environment	For any active gas, combustible gas, oil drop, ash
	Installation altitude	IP 70 1000m rated power, above 1000m: 1.5% power decreasing per 100m, max. 400m

Rating conditions	Mounting	Aluminum flange 45°x57x12.7mm
	Temperature	60K housing temperature ring at 40°C ambient

Q1.1		KAI9065		LS		ZB		19.4.2		DESIGN		DATE		P.N.		9.6653SS	
REV		ECN NO.		DRN		APPD		DATE		YJL		2018.5.31		TITLE		Outside Diagram	
UNLESS OTHERWISE SPECIFIED																	
TOLERANCES																	
DECIMALS:		ANGULAR:		LS		ZB		19.4.2		APPD		SL		2018.5.31		USED ON	
.x/1.1		±0.5		KAI9065		±0°30'										SMS130U-0150-20KAK-4IMP	
.xx		±0.25														DWG NO.	
.xxx		±0.1														REV	
UNIT: mm																V1.1	
DO NOT SCALE DRAWING																	